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GP-2652  
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Attorney Docket No. 56737 (70904)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: A. Takahashi et al.

EXAMINER: A. Cao

SERIAL NO.: 10/004,564

GROUP: 2652

FILED: December 5, 2001

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Technology Center 2600

**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service in an envelope as "Express Mail Post Office Addressee," Mailing Label No. EV438970867US, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 19, 2004.

By:

Michelle P. Chicos  
Michelle P. Chicos

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

Date: February 19, 2004

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98, applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION**

The patents, publications or other information submitted for consideration by the Office are listed on PTO-1449, attached hereto.

II. **COPIES**

- a. ☒ Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed.

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III. CONCISE EXPLANATION OF THE RELEVANCE

(check at least one box)

a. ☒ Except as may be indicated below in (b), all of the patents, publications or other information are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).

b. ☐ A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:

c. ☒ The following additional information is provided for the Examiner's consideration:

See Korean Office Action mailed January 28, 2004 and English language translation. U.S. Patent No. 4,278,258 corresponds to Japan Patent Application No. 55-45186 cited in the Office Action.

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)

(check one box)

a. ☐ within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.

b. ☐ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.

c. ☐ before the mailing date of a first Action on the merits (37 C.F.R. § 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$240.00 as required by 37 C.F.R. § 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):  
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).

a. ☐ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

or

b. ☐ See the certification below. No fee is required.

VI. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(d):  
(check both boxes if applicable)

before payment of the Issue Fee (See 37 C.F.R. § 1.97(d)).

a. ☒ See the certification below; and

b. ☒ A fee in the amount of \$180.00 is enclosed as required by 37 C.F.R. § 1.17(p).

VII. CERTIFICATION UNDER 37 C.F.R. § 1.97(e) (check only one box)

The undersigned hereby certifies that

a. ☒ each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or

b. ☐ no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

c. ☐ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable

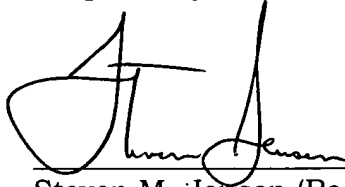
inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

☐ Please charge Deposit Account No. 04-1105 in the amount of \_\_\_\_\_ for the above-indicated fee. A triplicate copy of this paper is attached.

☐ No fee is required.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition, if necessary) and charge the appropriate fee to Deposit Account No. 04-1105.

Respectfully submitted,

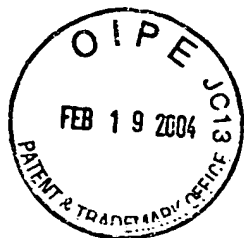


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Sheet 1 of 1

<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b>				<b>ATTY DOCKET NO.</b> 56737 (70904)		<b>SERIAL NO.</b> 10/004,564	
				<b>APPLICANT(S):</b> A. Takahashi et al.			
				<b>FILING DATE:</b> December 5, 2001		<b>ART UNIT:</b> 2652	
<b>UNITED STATES PATENT DOCUMENTS</b>							
<b>EXAM. INITIAL</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>FILE DATE IF APPR</b>
	AA	4,278,258	7/1981	Fujita et al.			
					<b>RECEIVED</b>		
					MAR 01 2004		
<b>FOREIGN PATENT DOCUMENTS</b>							
Technology Center 2600							
		<b>DOCUMENT NUMBER</b>	<b>PUBLISHED DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUB CLASS</b>	<b>TRAN YES/NO</b>
	BA	03-142767	06/1991	JAPAN			See Abstract in English
	BB	07-320359	12/1995	JAPAN			See Abstract in English
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>							
<b>Examiner:</b>					<b>Date:</b>		